

**TITLE: CATHETER HAVING FIBROUS REINFORCEMENT AND
METHOD OF MAKING THE SAME**

ABSTRACT OF THE DISCLOSURE

A catheter having a fibrous reinforcement is formed by anchoring a filament at a proximal end of a core member, and winding the filament onto the core member continuously from the proximal end to the distal end of the core member and then back to the proximal end to form a first fibrous layer. The filament is wound with a constant or variable pitch along the length of the core member. Additional fibrous layers can be applied by continuously winding a filament over the first fibrous layer from the proximal end to the distal end or to an intermediate position along the core member and then back to the proximal end. The additional layers can extend to different distal positions to form 5 a catheter having a tapering profile. In alternative embodiments, catheters are formed by winding a group of filaments onto the core member simultaneously.

10